

## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

PTO Draftpersons review all originally filed drawings regardless of whether they are designated as formal or informal. Additionally, patent Examiners will review the drawings for compliance with the regulations. Direct telephone inquiries concerning this review to the Drawing Review Branch, 703-305-8404.

<p>The drawings filed (insert date) <u>12/3/93</u>, are  <input type="checkbox"/> not objected to by the Draftsperson under 37 CFR 1.84 or 1.152.  <input checked="" type="checkbox"/> objected to by the Draftsperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawings must be submitted according to the instructions on the back of this Notice.</p> <p><b>1. DRAWINGS.</b> 37 CFR 1.84(a): Acceptable categories of drawings:  <input type="checkbox"/> Black ink. Color.  <input type="checkbox"/> Not black solid lines. Fig(s) _____  <input type="checkbox"/> Color drawings are not acceptable until petition is granted.</p> <p><b>2. PHOTOGRAPHS.</b> 37 CFR 1.84(b)  <input type="checkbox"/> Photographs are not acceptable until petition is granted.</p> <p><b>3. GRAPHIC FORMS.</b> 37 CFR 1.84 (d)  <input type="checkbox"/> Chemical or mathematical formula not labeled as separate figure. Fig(s) _____  <input type="checkbox"/> Group of waveforms not presented as a single figure, using common vertical axis with time extending along horizontal axis. Fig(s) _____  <input type="checkbox"/> Individuals waveform not identified with a separate letter designation adjacent to the vertical axis. Fig(s) _____</p> <p><b>4. TYPE OF PAPER.</b> 37 CFR 1.84(e)  <input type="checkbox"/> Paper not flexible, strong, white, smooth, nonshiny, and durable.  <input checked="" type="checkbox"/> Sheet(s) _____  <input type="checkbox"/> Erasures, alterations, overwritings, interlineations, cracks, creases, and folds not allowed. Sheet(s) <u>1-5</u> <i>copy machine marks</i></p> <p><b>5. SIZE OF PAPER.</b> 37 CFR 1.84(f): Acceptable paper sizes:  <input type="checkbox"/> 21.6 cm. by 35.6 cm. (8 1/2 by 14 inches)  <input type="checkbox"/> 21.6 cm. by 33.1 cm. (8 1/2 by 13 inches)  <input type="checkbox"/> 21.6 cm. by 27.9 cm. (8 1/2 by 11 inches)  <input type="checkbox"/> 21.0 cm. by 29.7 cm. (DIN size A4)  <input type="checkbox"/> All drawing sheets not the same size. Sheet(s) _____  <input type="checkbox"/> Drawing sheet not an acceptable size. Sheet(s) _____</p> <p><b>6. MARGINS.</b> 37 CFR 1.84(g): Acceptable margins:  <input type="checkbox"/> Paper size _____  <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <tr><td>21.6 cm. X 35.6 cm.</td><td>21.6 cm. X 33.1 cm.</td><td>21. cm. X 27.9 cm.</td><td>21. cm. X 29.7 cm.</td></tr> <tr><td>(8 1/2 X 14 inches)</td><td>(8 1/2 X 13 inches)</td><td>(8 1/2 X 11 inches)</td><td>(DIN Size A4)</td></tr> <tr><td>T 5.1 cm. (2")</td><td>2.5 cm. (1")</td><td>2.5 cm. (1")</td><td>2.5cm.</td></tr> <tr><td>L .64 cm. (1/4")</td><td>.64 cm. (1/4")</td><td>.64 cm. (1/4")</td><td>2.5 cm.</td></tr> <tr><td>R .64 cm. (1/4")</td><td>.64 cm. (1/4")</td><td>.64 cm. (1/4")</td><td>1.5 cm.</td></tr> <tr><td>B .64 cm. (1/4")</td><td>.64 cm. (1/4")</td><td>.64 cm. (1/4")</td><td>1.0 cm.</td></tr> </table> <input type="checkbox"/> Margins do not conform to chart above.  <input type="checkbox"/> Sheet(s) _____  <input type="checkbox"/> Top (T) _____ Left (L) _____ Right (R) _____ Bottom (B) _____</p> <p><b>7. VIEWS.</b> 37 CFR 1.84(h)  <b>REMINDER:</b> Specification may require revision to correspond to drawing changes.  <input type="checkbox"/> All views not grouped together. Fig(s) _____  <input type="checkbox"/> Views connected by projection lines. Fig(s) _____  <input type="checkbox"/> Views contain center lines. Fig(s) _____</p> <p><b>Partial views.</b> 37 CFR 1.84(h)(2)  <input type="checkbox"/> Separate sheets not linked edge to edge. Fig(s) _____  <input type="checkbox"/> View and enlarged view not labeled separately. Fig(s) _____  <input type="checkbox"/> Long view relationship between different parts not clear and unambiguous. 37 CFR 1.84(h)(2)(ii)  <input type="checkbox"/> Fig(s) _____</p> <p><b>Sectional views.</b> 37 CFR 1.84(h)(3)  <input type="checkbox"/> Hatching not indicated for sectional portions of an object. Fig(s) _____  <input type="checkbox"/> Hatching of regularly spaced oblique parallel lines not spaced sufficiently. Fig(s) _____  <input type="checkbox"/> Hatching not at substantial angle to surrounding axes or principal lines. Fig(s) _____  <input type="checkbox"/> Cross section not drawn same as view with parts in cross section with regularly spaced parallel oblique strokes. Fig(s) _____  <input type="checkbox"/> Hatching of juxtaposed different elements not angled in a different way. Fig(s) _____  <b>Alternate position.</b> 37 CFR 1.84(h)(4)  <input type="checkbox"/> A separate view required for a moved position. Fig(s) _____</p>	21.6 cm. X 35.6 cm.	21.6 cm. X 33.1 cm.	21. cm. X 27.9 cm.	21. cm. X 29.7 cm.	(8 1/2 X 14 inches)	(8 1/2 X 13 inches)	(8 1/2 X 11 inches)	(DIN Size A4)	T 5.1 cm. (2")	2.5 cm. (1")	2.5 cm. (1")	2.5cm.	L .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	2.5 cm.	R .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	1.5 cm.	B .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	1.0 cm.	<p>Modified forms. 37 CFR 1.84(h)(5)  <input type="checkbox"/> Modified forms of construction must be shown in separate views. Fig(s) _____</p> <p><b>8. ARRANGEMENT OF VIEWS.</b> 37 CFR 1.84(i)  <input type="checkbox"/> View placed upon another view or within outline of another. Fig(s) _____  <input type="checkbox"/> Words do not appear in a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p> <p><b>9. SCALE.</b> 37 CFR 1.84(k)  <input type="checkbox"/> Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____  <input type="checkbox"/> Indication such as "actual size" or "scale 1/2" not permitted. Fig(s) _____  <input type="checkbox"/> Elements of same view not in proportion to each other. Fig(s) _____</p> <p><b>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS.</b> 37 CFR 1.84(l)  <input checked="" type="checkbox"/> Lines, numbers &amp; letters not uniformly thick and well defined, clean, durable, and black (except for color drawings). Fig(s) <u>1-6</u></p> <p><b>11. SHADING.</b> 37 CFR 1.84(m)  <input type="checkbox"/> Shading used for other than shape of spherical, cylindrical, and conical elements of an object, or for flat parts. Fig(s) _____  <input type="checkbox"/> Solid black shading areas not permitted. Fig(s) _____</p> <p><b>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS.</b> 37 CFR 1.84(p)  <input checked="" type="checkbox"/> Numbers and reference characters not plain and legible. 37 CFR 1.84(p)(1). Fig(s) <u>1-6</u>  <input type="checkbox"/> Numbers and reference characters used in conjunction with brackets, inverted commas, or enclosed within outlines. 37 CFR 1.84(p)(1). Fig(s) _____  <input type="checkbox"/> Numbers and reference characters not oriented in same direction as the view. 37 CFR 1.84(p)(1). Fig(s) _____  <input type="checkbox"/> English alphabet not used. 37 CFR 1.84(p)(2)  <input type="checkbox"/> Fig(s) _____  <input type="checkbox"/> Numbers, letters, and reference characters do not measure at least .32 cm. (1/8 inch) in height. 37 CFR(p)(3)  <input type="checkbox"/> Fig(s) _____</p> <p><b>13. LEAD LINES.</b> 37 CFR 1.84(q)  <input type="checkbox"/> Lead lines cross each other. Fig(s) _____  <input type="checkbox"/> Lead lines missing. Fig(s) _____  <input type="checkbox"/> Lead lines not as short as possible. Fig(s) _____</p> <p><b>14. NUMBERING OF SHEETS OF DRAWINGS.</b> 37 CFR 1.84(t)  <input type="checkbox"/> Number appears in top margin. Fig(s) _____  <input type="checkbox"/> Number not larger than reference characters. Fig(s) _____  <input type="checkbox"/> Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. Sheet(s) _____</p> <p><b>15. NUMBER OF VIEWS.</b> 37 CFR 1.84(u)  <input type="checkbox"/> Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____  <input type="checkbox"/> View numbers not preceded by the abbreviation Fig. Fig(s) _____  <input type="checkbox"/> Single view contains a view number and the abbreviation Fig. Fig(s) _____  <input type="checkbox"/> Numbers not larger than reference characters.</p> <p><i>X View placed incorrectly</i></p> <p><b>16. CORRECTIONS.</b> 37 CFR 1.84(w)  <input type="checkbox"/> Corrections not durable and permanent. Fig(s) _____</p> <p><b>17. DESIGN DRAWING.</b> 37 CFR 1.152  <input type="checkbox"/> Surface shading shown not appropriate. Fig(s) _____  <input type="checkbox"/> Solid black shading not used for color contrast. Fig(s) _____</p>
21.6 cm. X 35.6 cm.	21.6 cm. X 33.1 cm.	21. cm. X 27.9 cm.	21. cm. X 29.7 cm.																						
(8 1/2 X 14 inches)	(8 1/2 X 13 inches)	(8 1/2 X 11 inches)	(DIN Size A4)																						
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R .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	1.5 cm.																						
B .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	1.0 cm.																						

### **REMINDER**

Drawing changes may also require changes in the specification, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B, Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed. Please make such changes by 37 CFR 1.312 Amendment at the time of submitting drawing changes.

### **INFORMATION ON HOW TO EFFECT DRAWING CHANGES**

#### **1. Correction of Informalities--37 CFR 1.85**

File new drawings with the changes incorporated therein. The application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application, should be placed on the back of each sheet of drawings in accordance with 37 CFR 1.84(c). Applicant may delay filing of the new drawings until receipt of the Notice of Allowability (PTOL-37). Extensions of time may be obtained under the provisions of 37 CFR 1.136. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Review Branch.

#### **2. Timing of Corrections**

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37). If a correction is determined to be unacceptable by the Office, applicant must arrange to have acceptable correction resubmitted within the original three-month period to avoid the necessity of obtaining an extension of time and paying the extension fee. Therefore, applicant should file corrected drawings as soon as possible.

Failure to take corrective action within set (or extended) period will result in **ABANDONMENT** of the Application.

#### **3. Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO 948**

All changes to the drawings, other than informalities noted by the Drawing Review Branch, **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.